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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/004,580 | SONMEZ ET AL. | |
| | Examiner | Art Unit | |
| | DANIEL G. MARIAM | 2625 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to an amendment filed on 5/23/05 & a telephone interview dated 8/15/05.
2. The allowed claim(s) is/are 1-27,29-31 and 37.
3. The drawings filed on 03 December 2001 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 11042002
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.


DANIEL MIRIAM
PRIMARY EXAMINER

EXAMINER'S AMENDMENT AND REASONS FOR ALLOWANCE

✓ Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kin-Wah Tong (Reg. No. 39,400) on August 15, 2005.

The application has been amended as follows:

Cancel claims 28 and non-elected claims 32-36.

Amend claim 1 as follows:

At line 3, delete the limitation "particular" and replace it with "a plurality of" - -

At line 4, before the limitation "particular" insert "a" - -

At line 4, delete the limitation "positions" and replace it with "position" - -

At line 5, delete the limitation "positions" and replace it with "position" - -

At line 6, delete the limitation "particular" and replace it with "various" - -

At line 6, after the limitation "positions" insert "of said plurality of positions" - -

Amend claim 29 as follows:

At line 2, after the limitation "objects" insert "that include elements at a plurality of positions" - - -

At line 3, before the limitation "particular" insert "a" - -

At line 4, delete the limitation "positions" and replace it with "position" - -

At line 5, delete the limitation “positions” and replace it with “position” - -

At line 6, delete the limitation “particular” and replace it with “various” - -

At line 6, after the limitation “positions” insert “of said plurality of positions” - -

Amend claim 30 as follows:

At line 3, delete the limitation “particular” and replace it with “a plurality of” - -

At line 4, before the limitation “particular” insert “a” - -

At line 4, delete the limitation “positions” and replace it with “position” - -

At line 5, delete the limitation “positions” and replace it with “position” - -

At line 7, delete the limitation “particular” and replace it with “various” - -

At line 7, after the limitation “positions” insert “of said plurality of positions” - -

At line 7, delete the limitation “others” and replace it with “other distributions” - -

At line 8, delete the limitation “particular” and replace it with “various” - -

At line 8, after the limitation “positions” insert “of said plurality of positions” - -

Add new claim 37:

37. (New) A computer readable medium containing an executable program, where the program performs the steps of:

specifying a model that (i) represents a set of structured data objects that include elements at a plurality of positions, and (ii) comprises distributions of vectors, each distribution corresponding to a particular position in the respective structured data objects, each of the vectors comprising values for the particular position, at least some distributions indicating dissimilarity at various positions of said plurality of positions of the structured data objects; and

comparing a given set of structured data objects to the model to determine a likelihood that the given set is represented by the model. - - -

✓ Reasons for Allowance

2. Claims 1-27, 29-31, and 37 are allowed. The claims will be renumbered as 1-31.
3. The following is an examiner's statement of reasons for allowance: as applicants properly point out on pages 9-14 of the remarks filed on May 23, 2005, and during the interview held on August 15, 2005 that the reference to Sundaresan, et al. does not teach or fairly suggest, among other things, wherein at least some distributions indicating dissimilarity at various positions of the plurality of positions of the structured data objects. Hence, and in view of applicants' arguments, amendment, and in combination with all of the other elements of the claims that claims 1-27, 29-31, and newly added claim 37 (which recites substantially similar limitations as independent claims 1, 29, and 30) are allowable over the prior art of Sundaresan, et al.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL G. MARIAM whose telephone number is 571-272-7394. The examiner can normally be reached on M-F (7:00-4:30) FIRST FRIDAY OFF.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BHAVESH M. MEHTA can be reached on 571-272-7453. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DANIEL G MARIAM
Primary Examiner
Art Unit 2625

August 16, 2005